Service Manual

EZPPC-70D-5B-C15G
EZPPC-70D-5B-C1G
EZPOS-70D-5B-C15G
EZPOS-70D-5B-C1G

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1.

Before You Start

1. Please unplug the power cable before you start to work.

2. Please read and follow the instructions in this document carefully. Failure to follow these instructions could damage your device and void the warranty.

1.1. Tools Suggested

All procedures in this document require the following tools:

#0 Phillips screwdriver (magnetized suggested)

#1 Phillips screwdriver (magnetized suggested)

1.5 mm hexagon socket spanner (magnetized suggested)

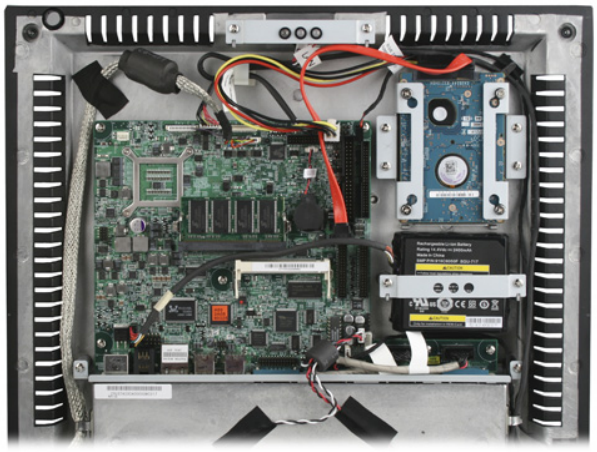
2.

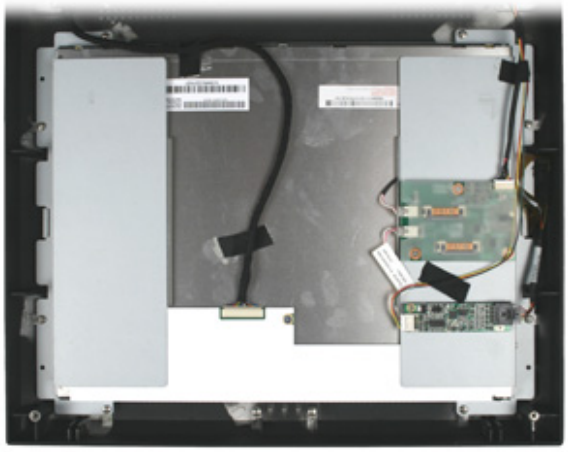
Opening the Device

1. Un-tighten two screws on the back panel anticlockwise.

2. Open the back panel.

3. The layout of the internal.





3.

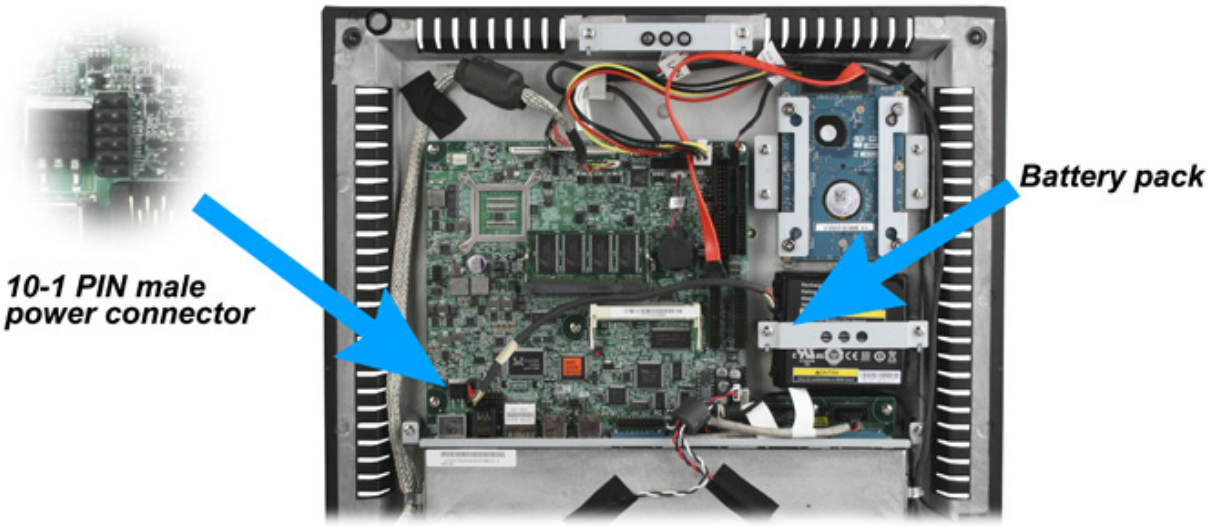
Connect Battery Pack

Before power-on the device, please connect the battery to the mainboard:

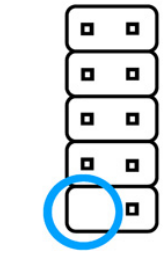
1. Un-tighten two screws on the back panel anticlockwise.

2. Open the back panel.

3. For the location of the battery pack and the 10-1 pin male power connector, please refer the picture shown below.

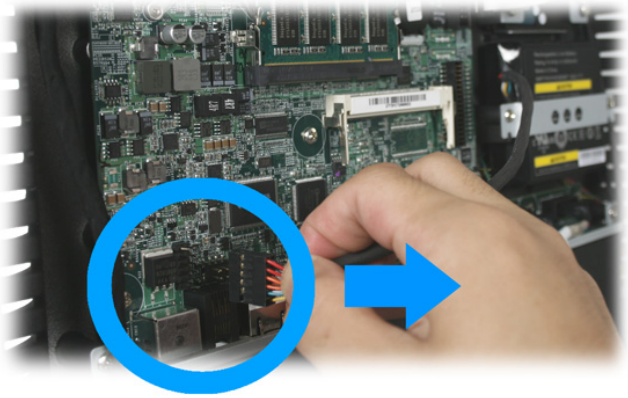


4. Plug the power cable to the 9-pin power connector in the correct orient.

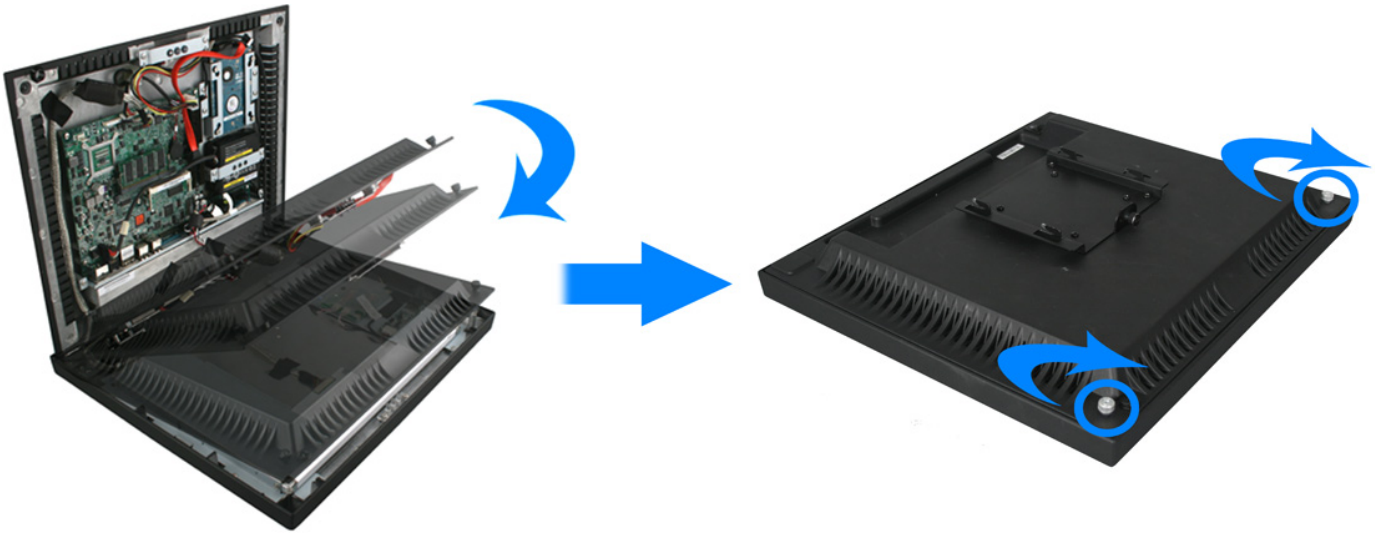


Male 10-1 pin power connector

Female connector of the battery cord



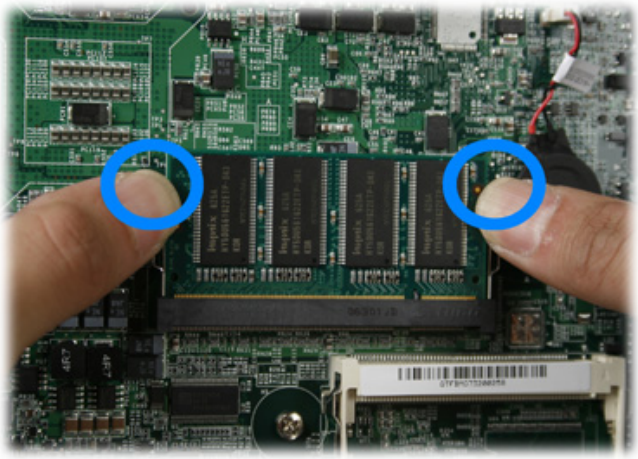
5. Close the back panel and tighten two screws on the back panel.



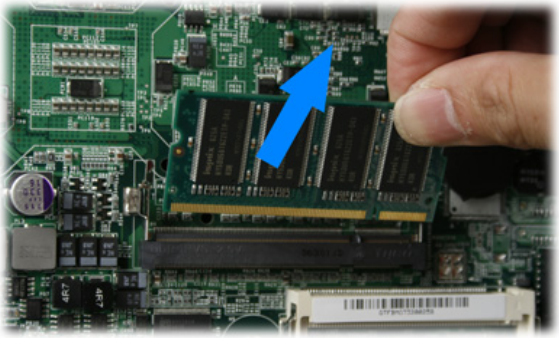
4.

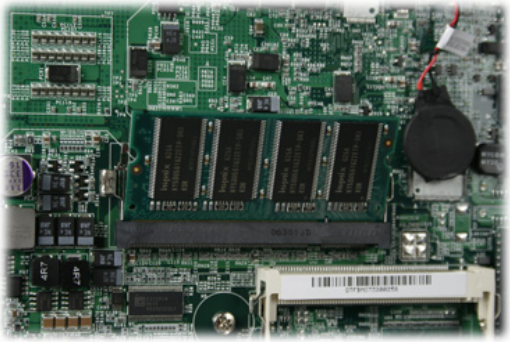
RAM Replacement

1. Open the tow ejectors on the slot by pushing them, and remove the RAM from the slot.

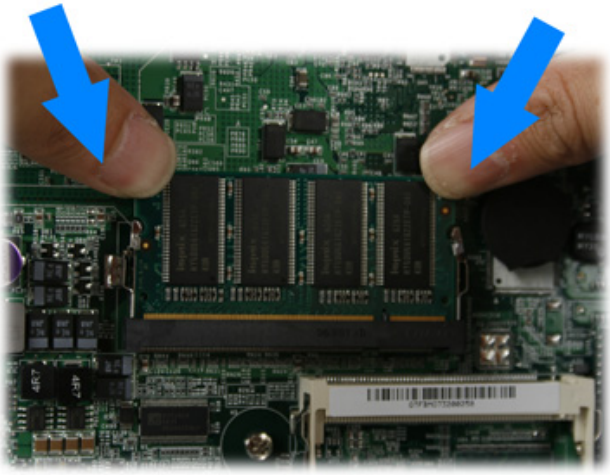


4. Remove the old RAM and install a new one.





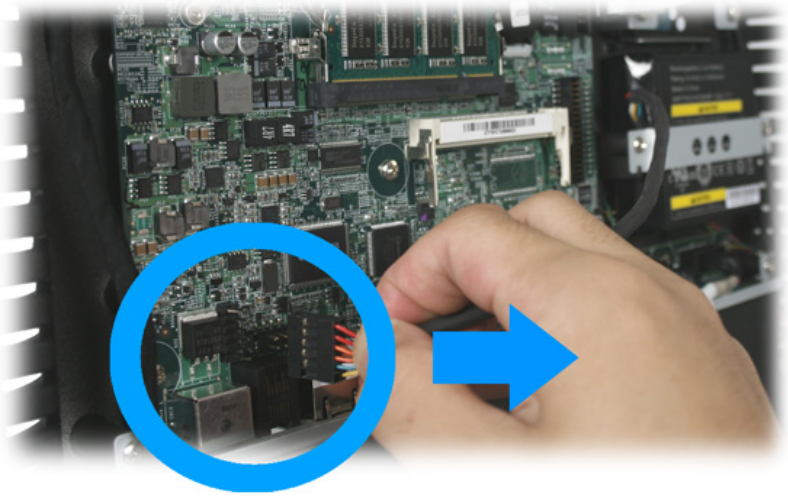
5. Align and insert the new RAM in the slot and push both ends of the RAM down until the ejectors snap into place.



5.

Battery Replacement

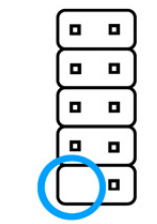
1. Unplug the connector of the battery from the mainboard.



2. Loosen the two screws by **#1 Phillips screwdriver** as shown below and remove the battery..

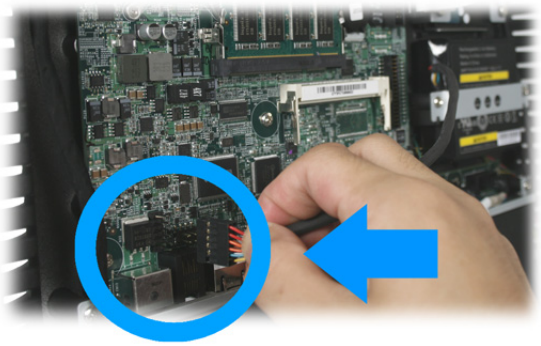
3. Install a new battery in the reverse procedure

Note: The battery cable must be connected in the correct orient.



Male 10-1 pin power connector

Female connector of the battery cord

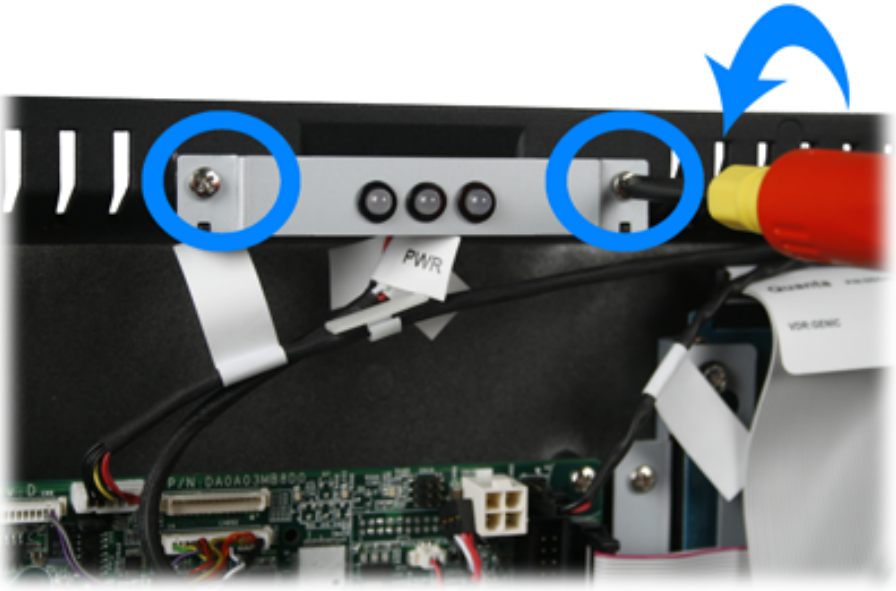


6.

LED indicator Replacement

1. Unplug the connector of the LED indicator assembly from the mainboard.

2. Loosen the two screws by #1 Phillips screwdriver as shown below and remove LED indicator assembly.

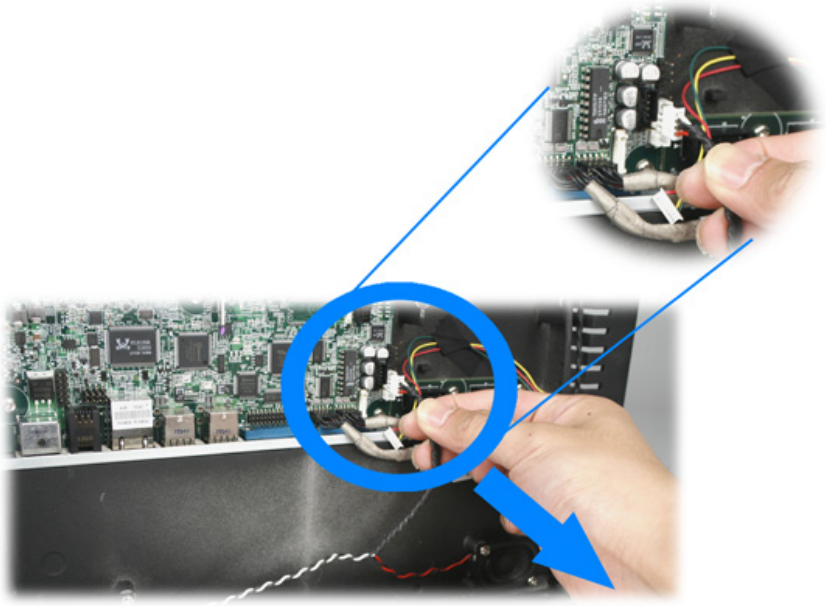


3. Install a new LED indicator assembly in the reverse procedure.

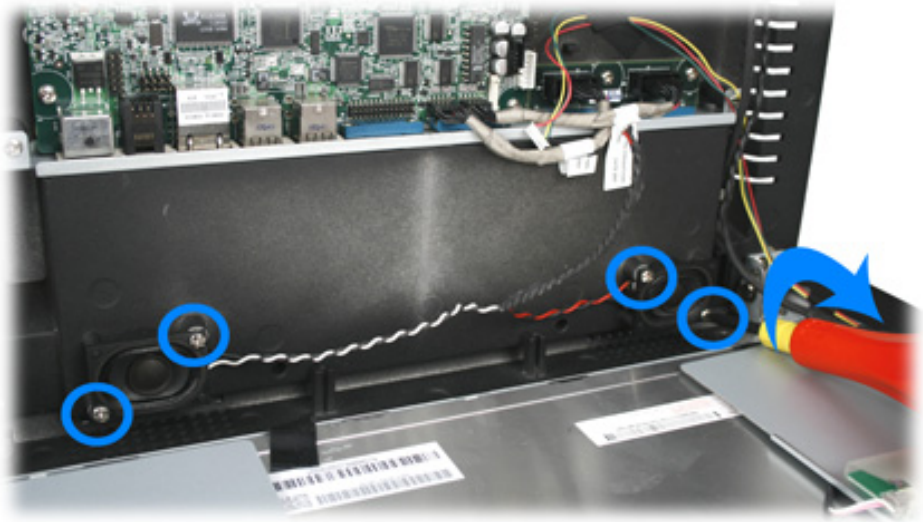
7.

Speaker Assembly Replacement

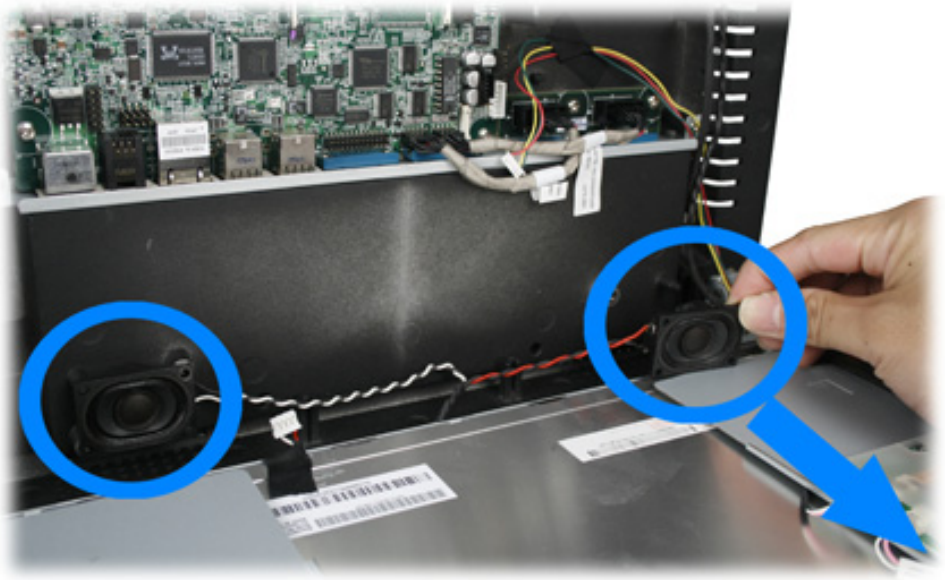
1. Disconnect the connector of the speaker assembly from the mainboard as shown below.



2. Loosen the four screws by #1 Phillips screwdriver as shown below and remove the HDD from the device.



3. Remove the speaker assembly from the device.

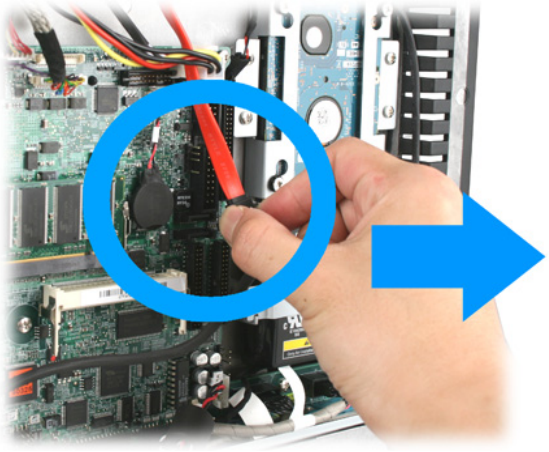


4. Install a new LED indicator assembly in the reverse procedure.

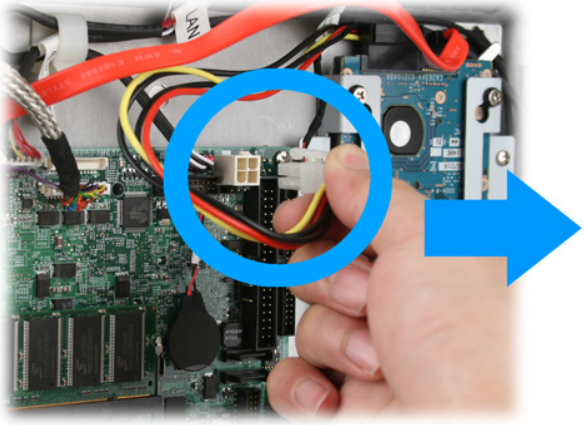
8.

HDD Replacement

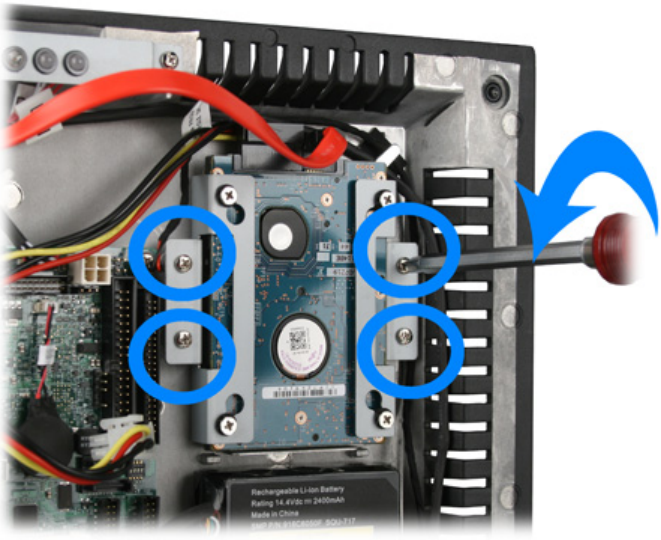
1. Unplug one connector of the SATA cable from the mainboard.



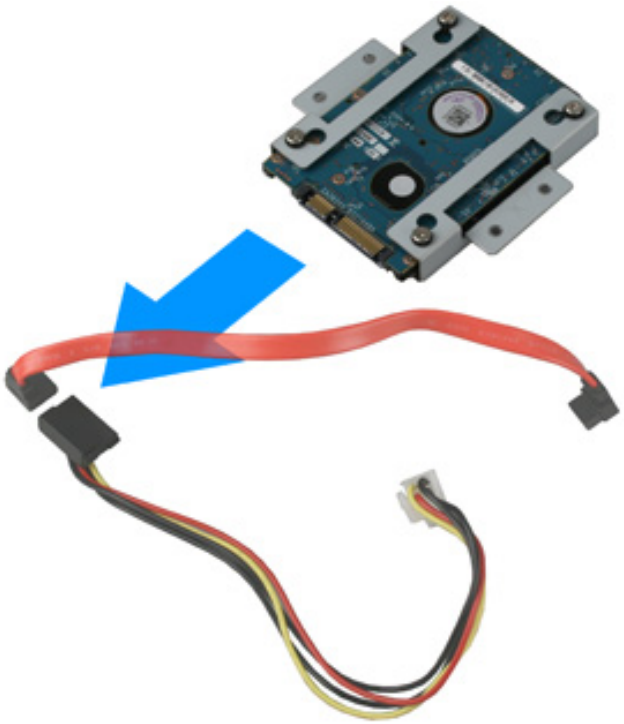
2. Unplug one connector of the HDD power cable from the mainboard.



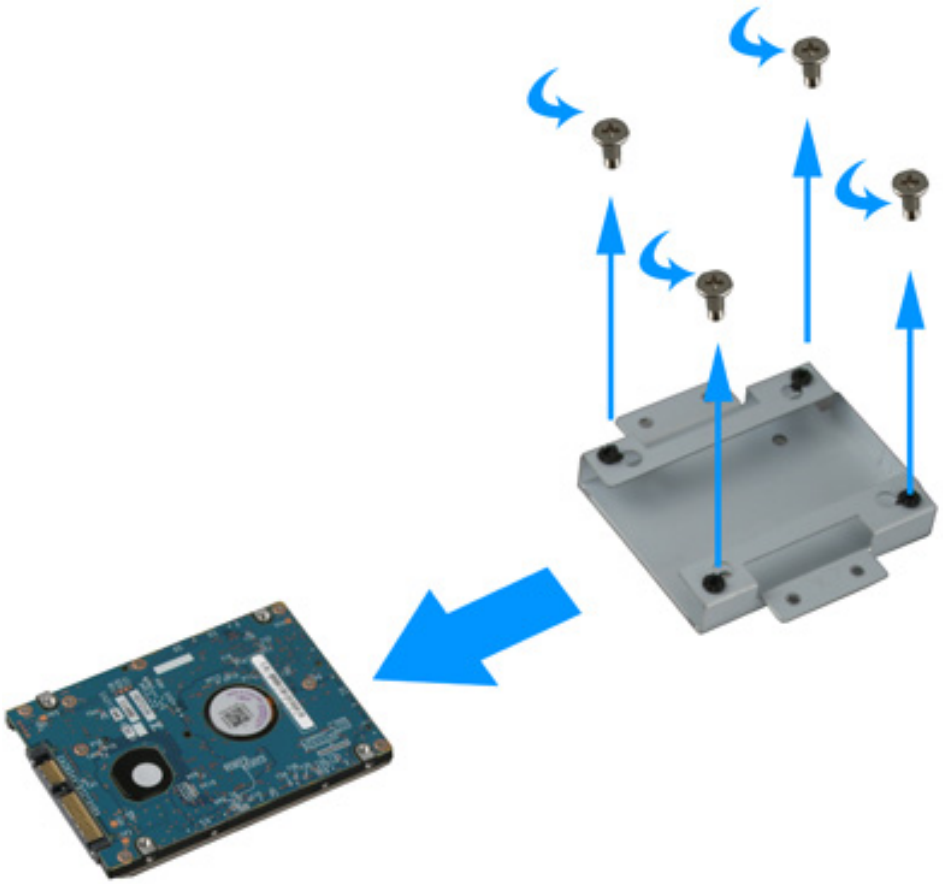
3. Loosen the four screws by #1 Phillips screwdriver as shown below and remove the HDD from the device.



4. Unplug the SATA cable and power cable from the HDD.



4. Loosen the four screws by #1 Phillips screwdriver and remove the HDDas shown below.



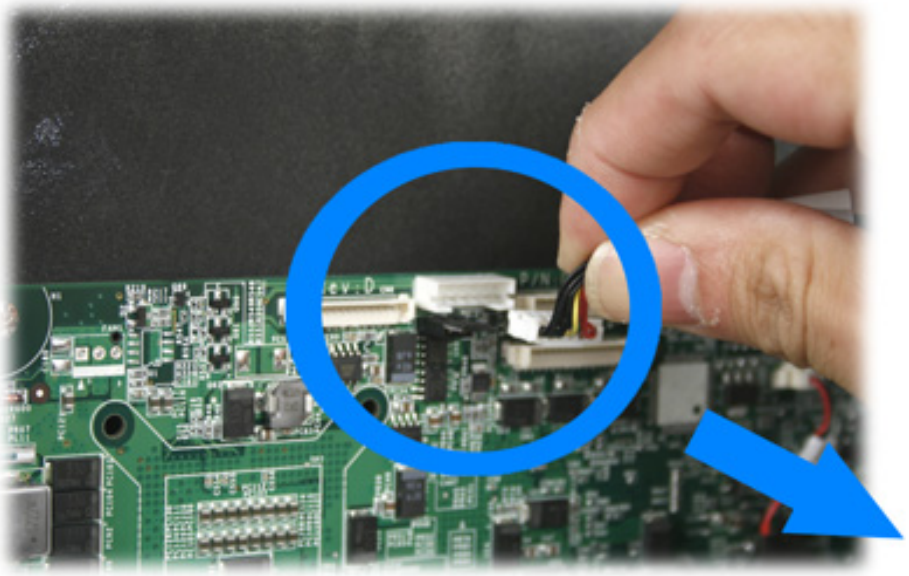
5. Install the new HDD in the reverse procedure from Step 5 to Step 1.

9.

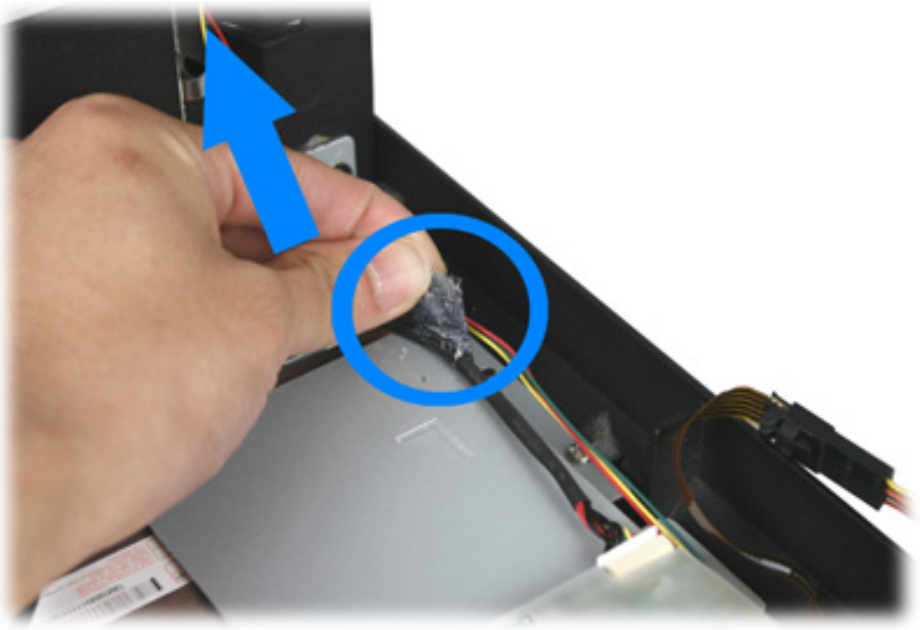
LCD Inverter Replacement

9.1. Disconnect Inverter Cable

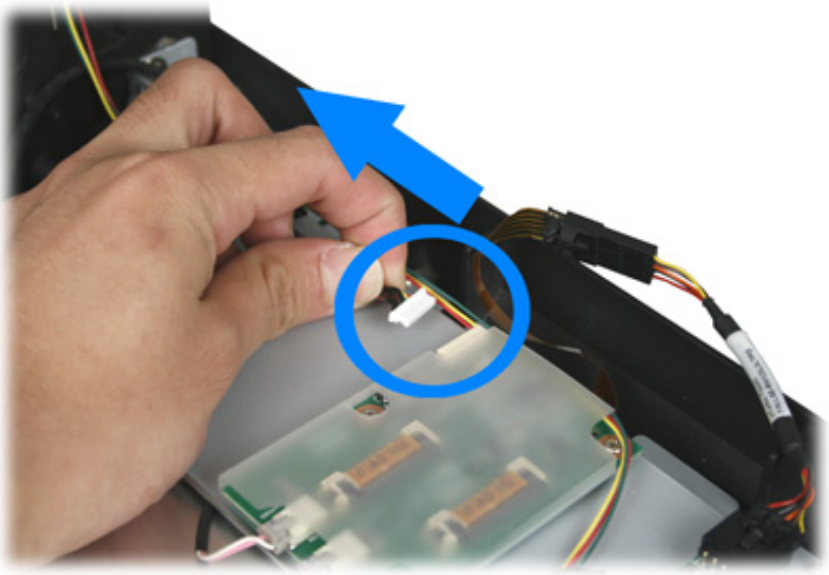
1. Disconnect the inverter cable from the mainboard.



2. Remover the black tap as shown below.

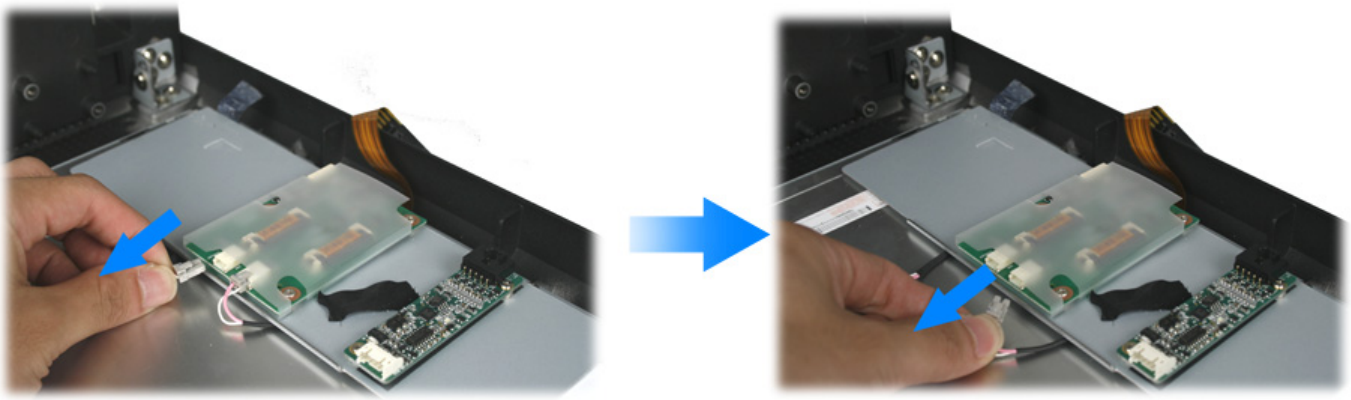


3. Disconnect the inverter cable from the LCD inverter as shown below.



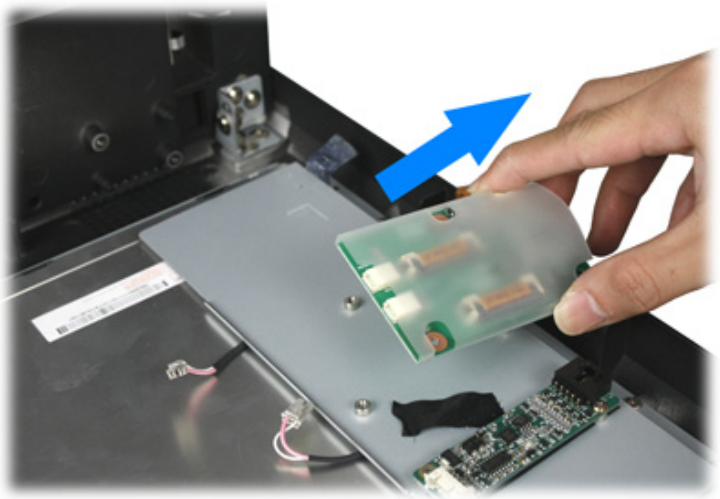
9.2. Remove the LCD Inverter

1. Disconnect two connecters form the LCD inverter as shown below.



2. Loosen the three screws by #0 Phillips screwdriver as shown below.

3. Remove the LCD inverter from the device as shown below.



4. Install the new LCD inverter in the reverse procedure from Step 5 to Step 1.

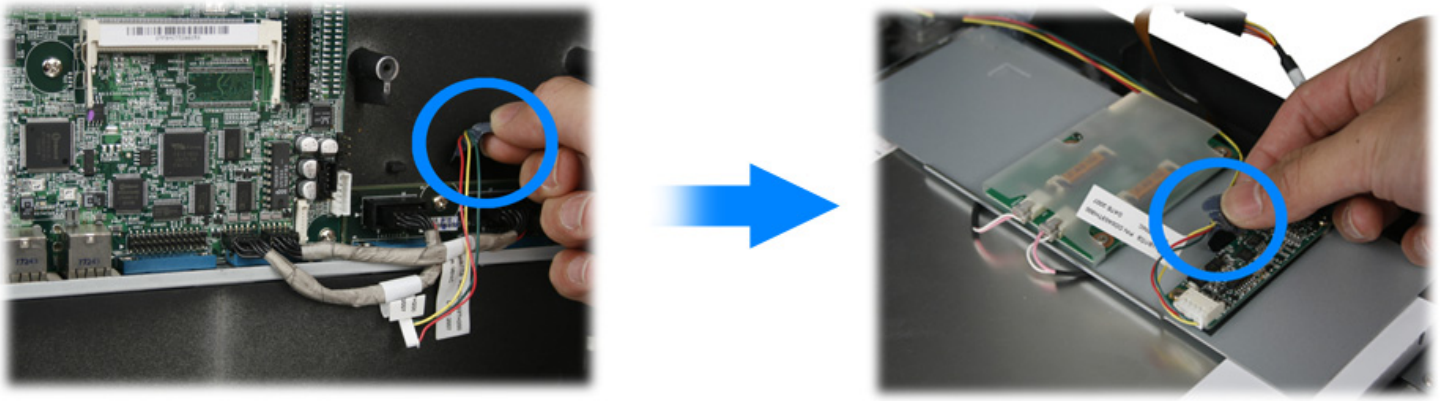
10.

Touch Panel Control Board Replacement

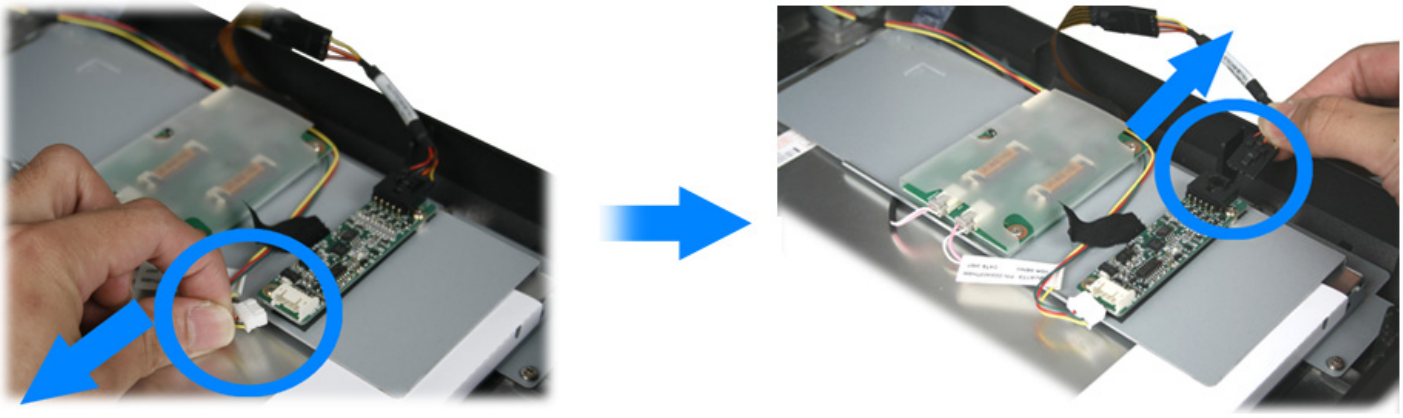
10.1. Disconnect Touch Panel Control Board Cable

1. Disconnect Touch Panel Control Board Cable from the mainboard as shown below.

2. Remover the black tap as shown below.

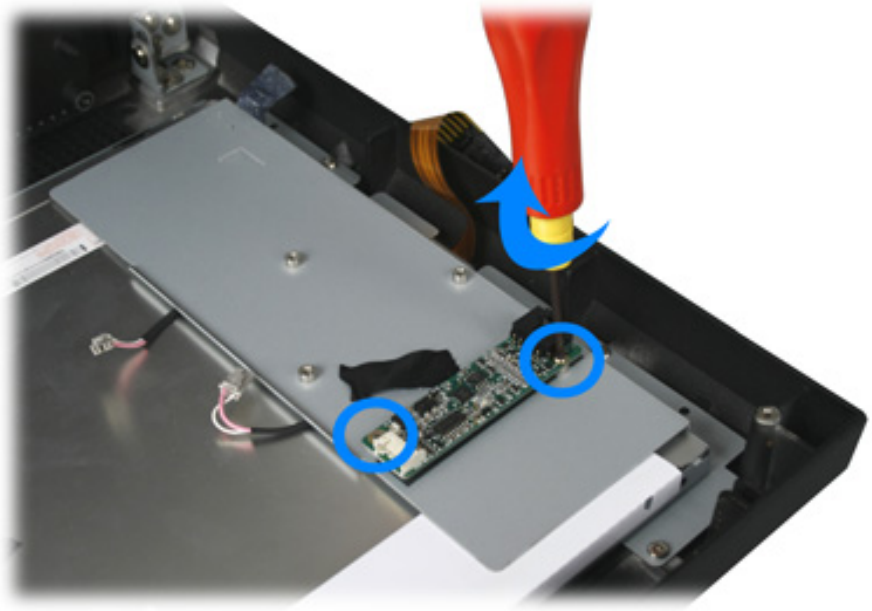


3. Disconnect two connecters form the touch panel control board as shown below.

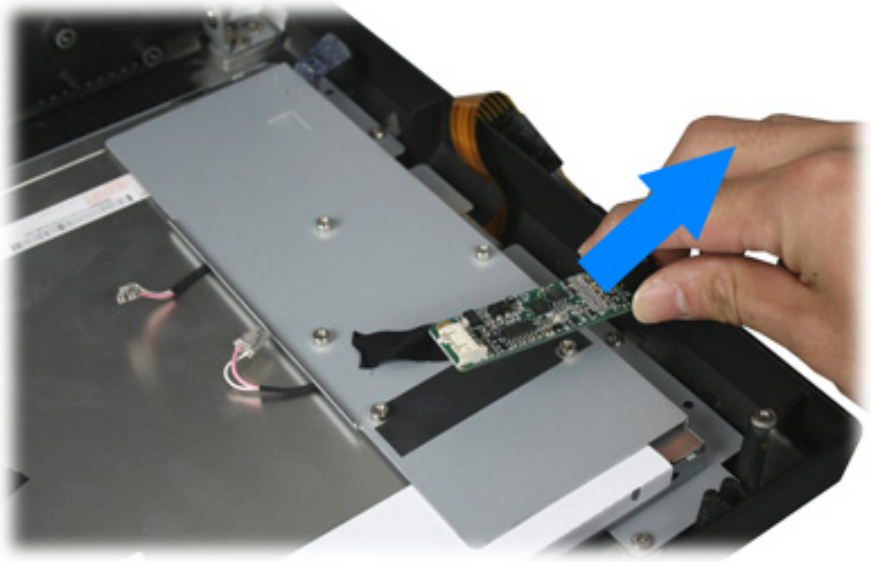


10.2. Remove the Touch Panel Control Board

1. Loosen the two screws by #0 Phillips screwdriver as shown below.



2. Remove the touch panel control board from the device as shown below.

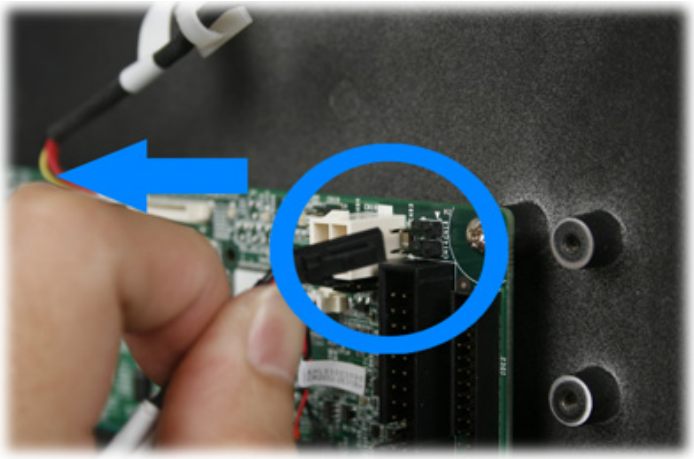


3. Install the new touch panel control board in the reverse procedure from Step 3 to Step 1of 9.2 and 9.1.

11.

Power Switch Replacement

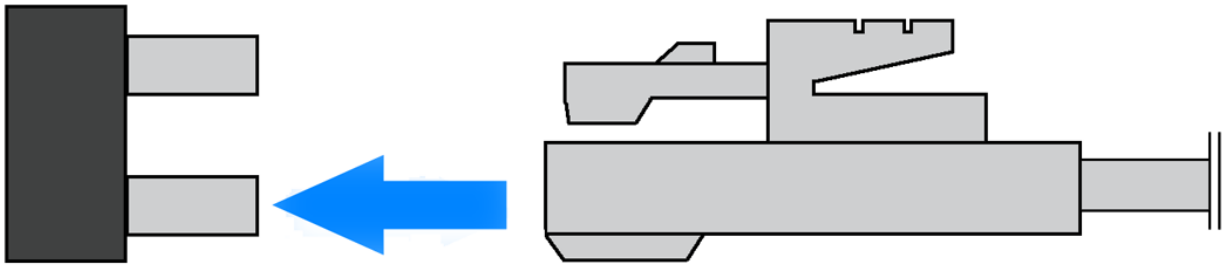
1. Disconnect the power switch cable from the mainboard.



2. Remove the power switch from the device.

3. Install the new touch panel control board in the reverse procedure from Step 2 to Step 1.

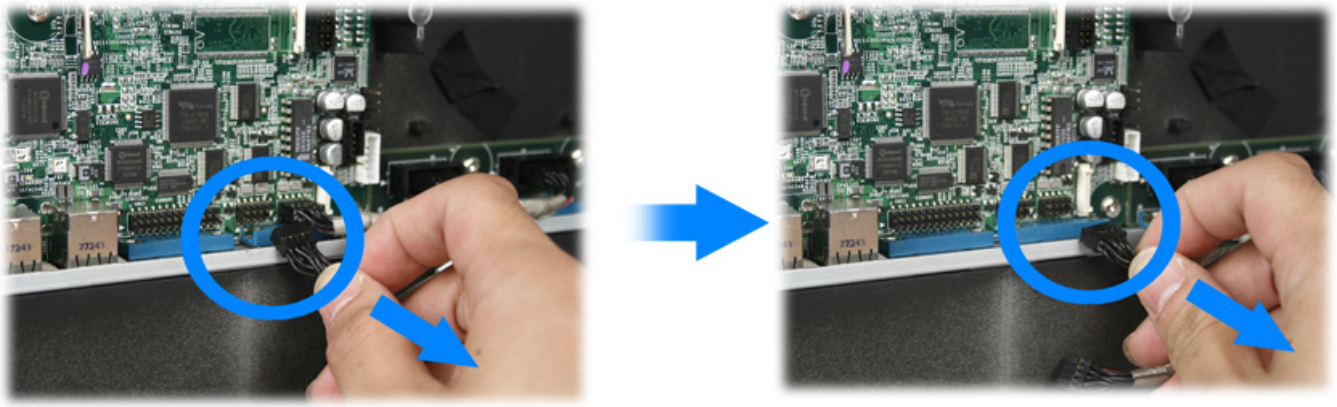
Note: The power switch cable must be connected to the correct pin.



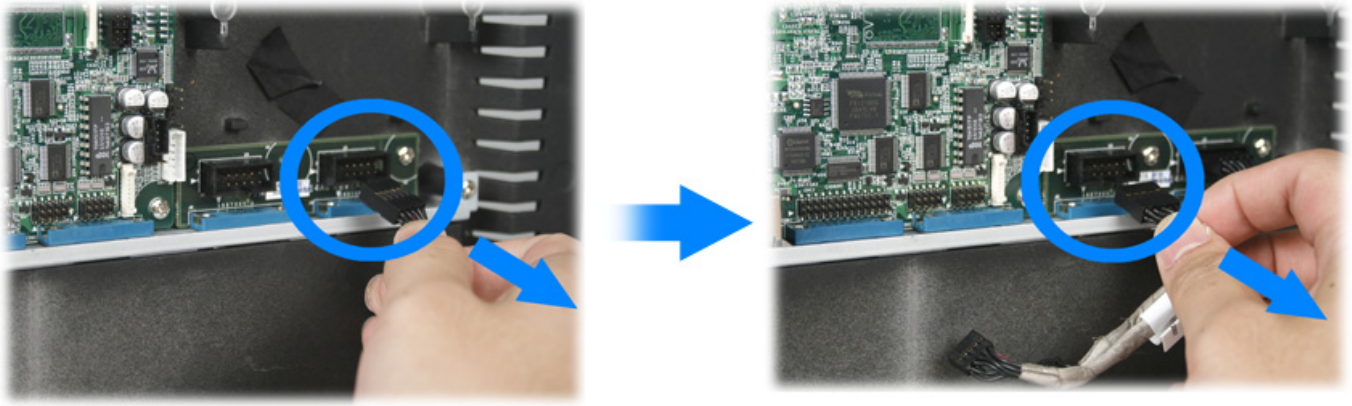
12.

COM Cable Replacement

1. Disconnect the two COM cables from the mainboard.



2. Disconnect the two COM cables from the I/O panel.

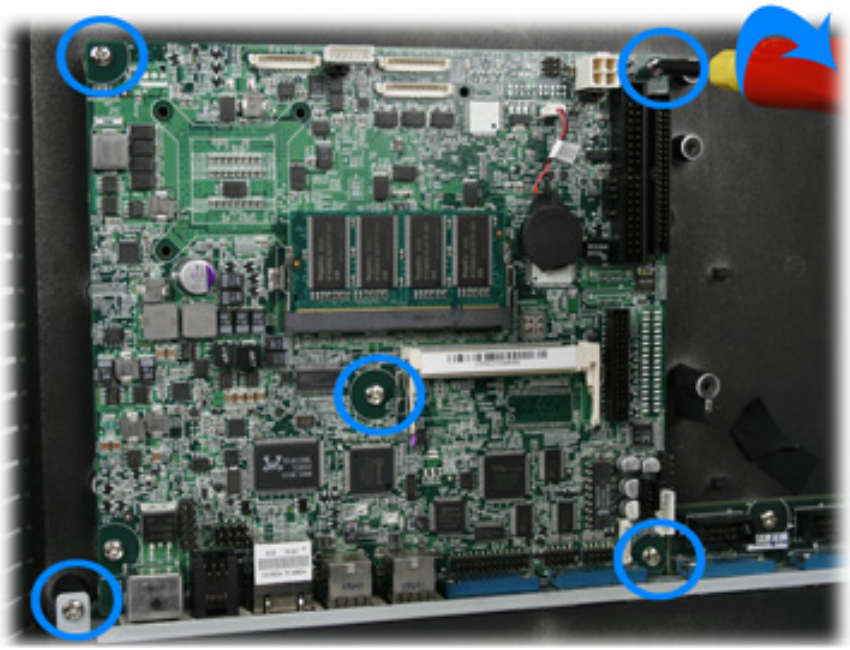


3. Install the new COM cables in the reverse procedure from Step 2 to Step 1.

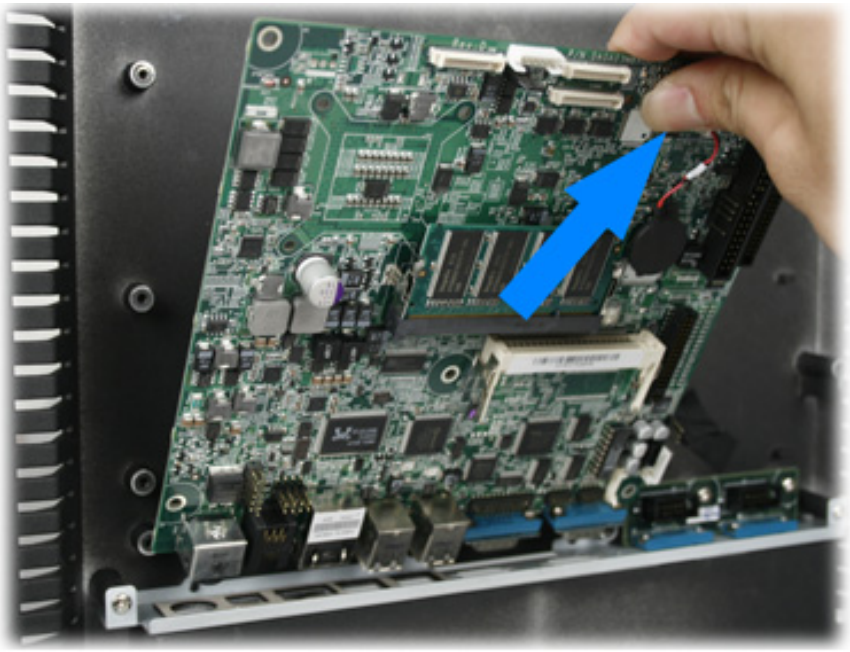
13.

Mainboard Replacement

1. Loosen the five screws by #0 Phillips screwdriver as shown below.



2. Remove the mainboard from the device as shown below.



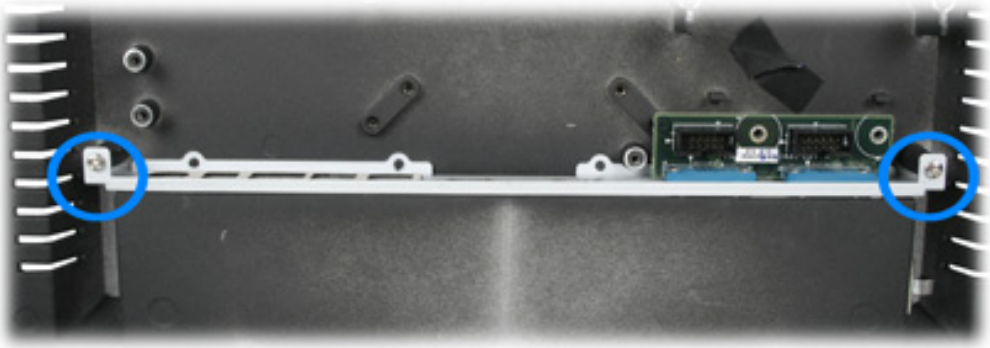
3. Install the new mainboard in the reverse procedure from Step 2 to Step 1.

14.

I/O Panel Replacement

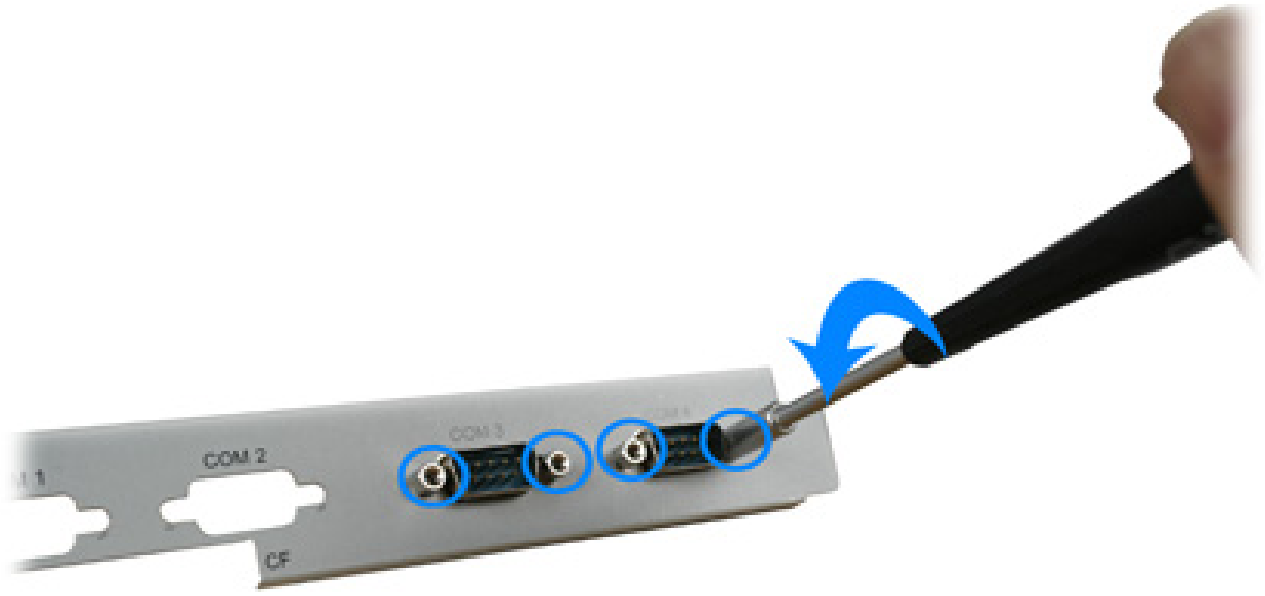
1. Remove the two screws by #1 Phillips screwdriver as shown below.

2. Remove the two screws by #1 Phillips screwdriver as shown below.



3. Remove the I/O panel from the device.

4. Loosen the four screws by 1.5 mm hexagon socket spanner to remove the COM port assembly as shown below.

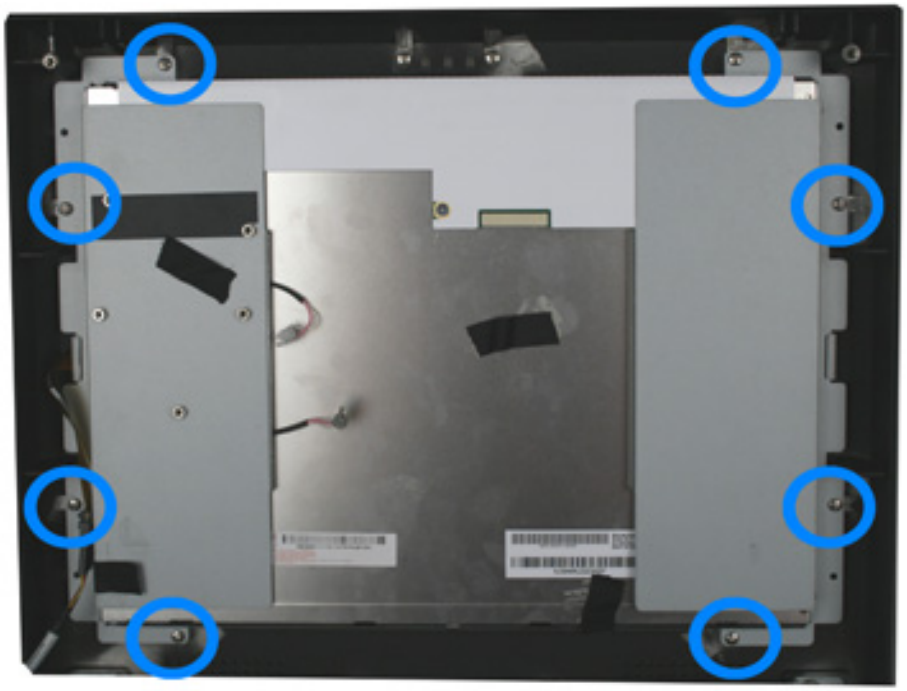


5. Install the new COM port assembly to the new I/O panel and install it to the device in the reverse procedure from Step 3 to Step 1.

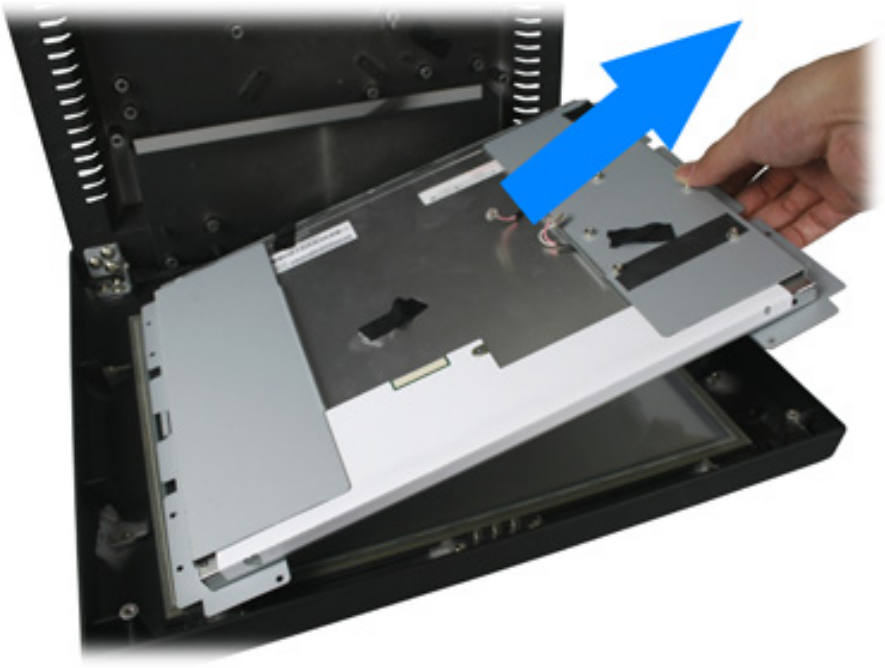
15.

LCD Panel Replacement

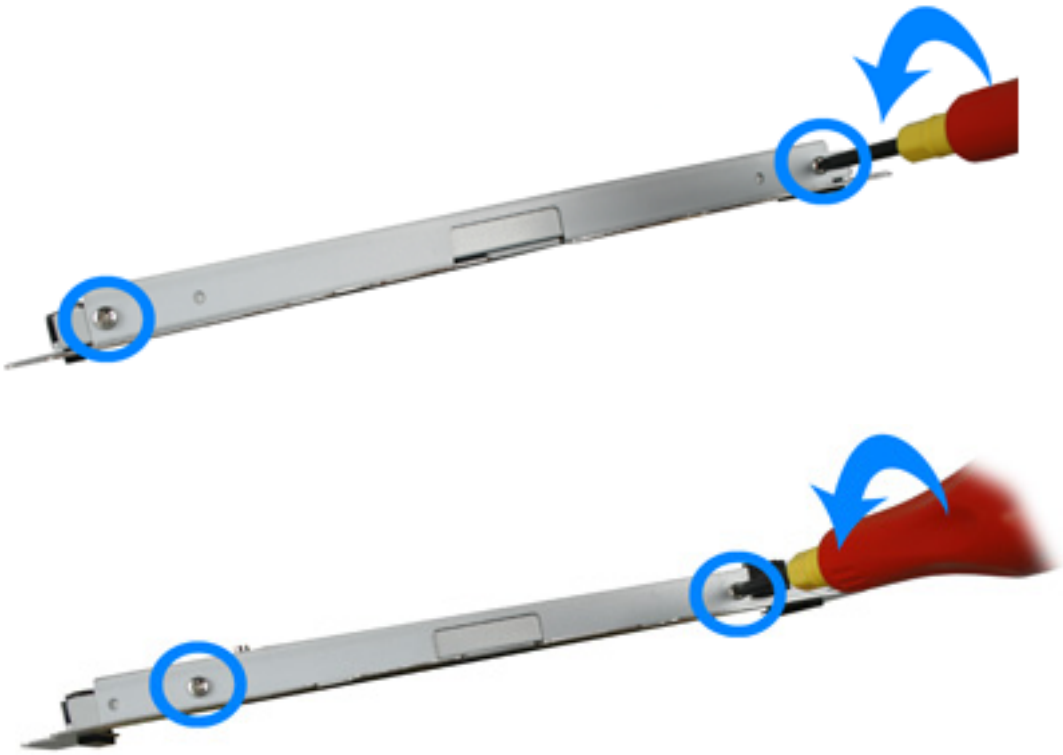
1. Loosen the eight screws in blue circle as shown below by #1 Phillips screwdriver.



2. Remove the LCD panel assembly from the device as shown below.



3. Loosen the four screws on the two sides of the LCD panel assembly #1 Phillips screwdriver as shown below.



4. Remove the two metal racks from the LCD panel.

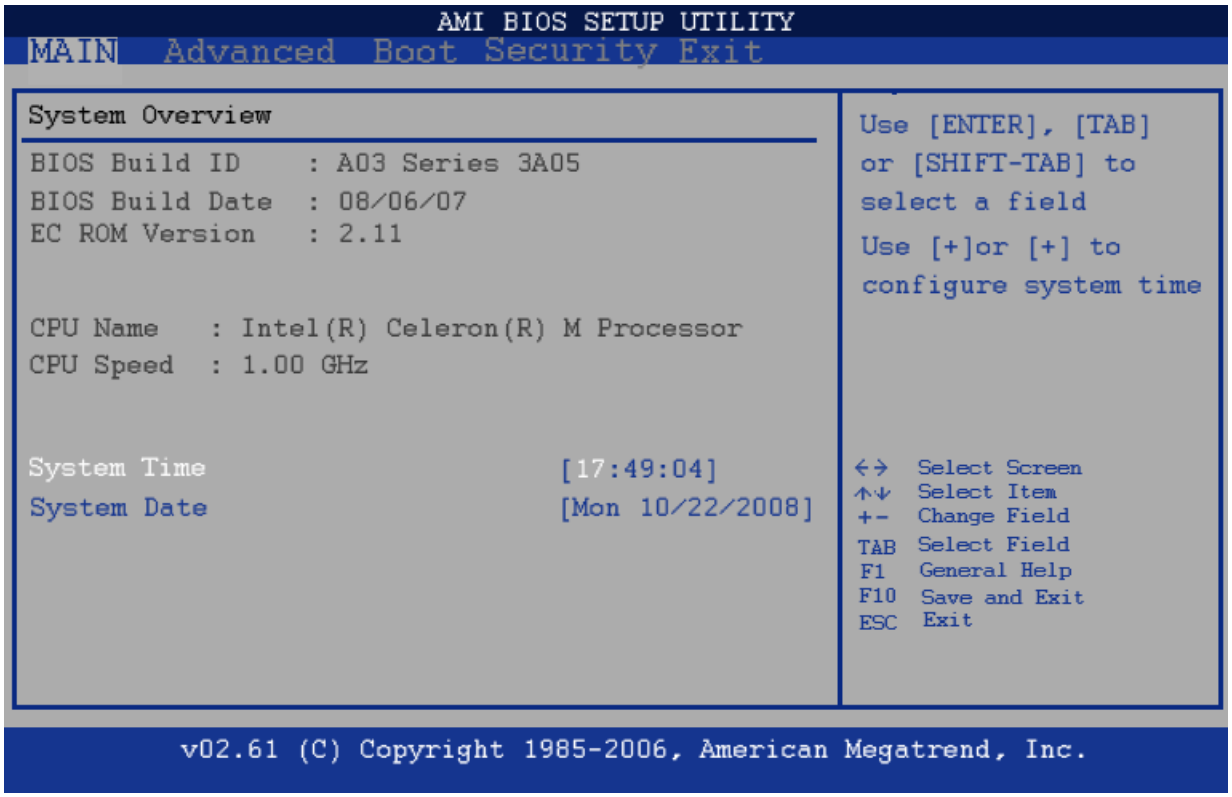
5. Install a new LCD panel to the device in the reverse procedure from Step 4 to Step 1.

16.

BIOS setup

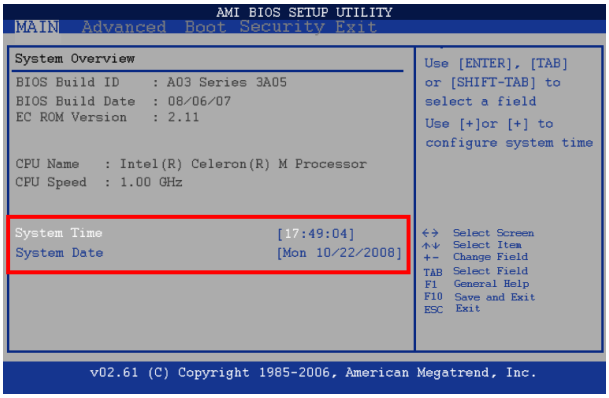
1. Press and hold the power switch until the power indicator on the front panel glow green.

2. Before Windows launch, Press the “Delete” key to enter he BIOS.


AMI BIOS SETUP UTILITY
MAIN Advanced Boot Security Exit
System Overview
BIOS Build ID : A03 Series 3A05
BIOS Build Date : 08/06/07
EC ROM Version : 2.11
CPU Name : Intel(R) Celeron(R) M Processor
CPU Speed : 1.00 GHz
System Time [17:49:04]
System Date [Mon 10/22/2008]
Use [ENTER], [TAB] or [SHIFT-TAB] to select a field
Use [+]or [+] to configure system time
Select Screen
Select Item
+- Change Field
TAB Select Field
F1 General Help
F10 Save and Exit
ESC Exit
v02.61 (C) Copyright 1985-2006, American Megatrend, Inc.

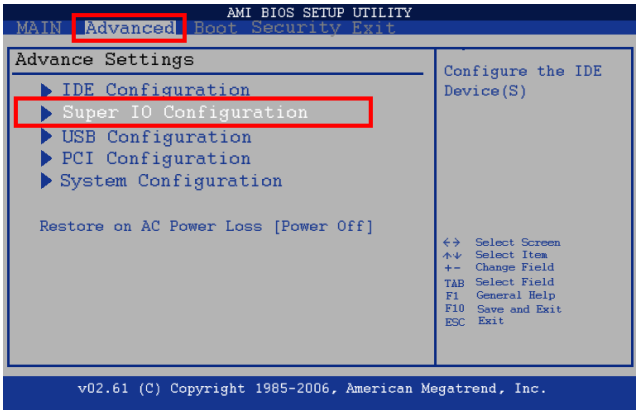
16.1. System Time and System Date Adjustment

1. Under the Main tab, press the four arrow keys to high light the System Time and System Date to configure.

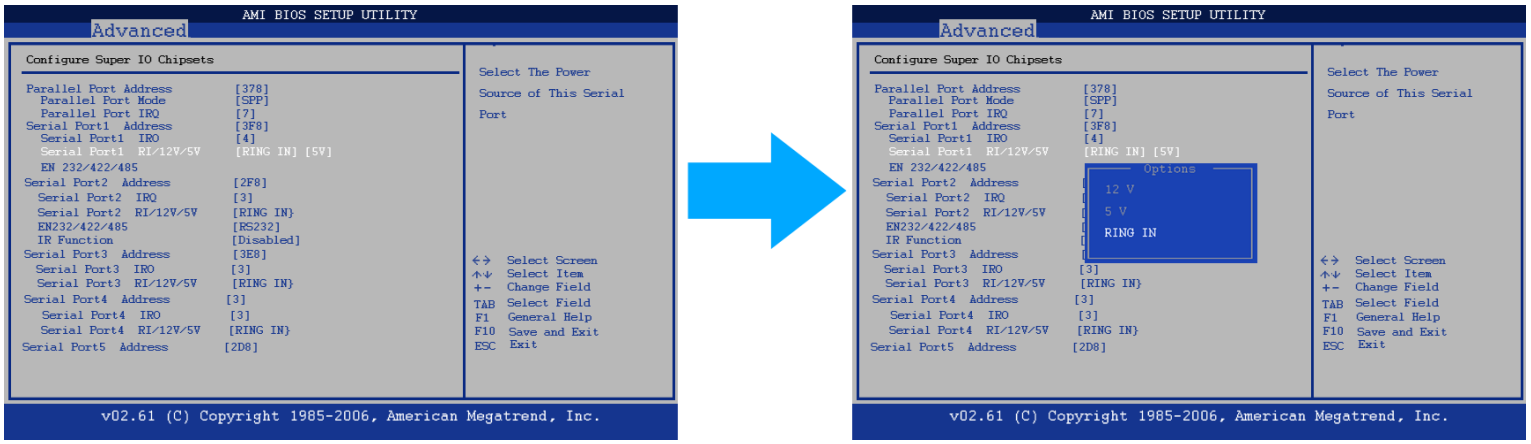

AMI BIOS SETUP UTILITY
MAIN Advanced Boot Security Exit
System Overview
BIOS Build ID : A03 Series 3A05
BIOS Build Date : 08/06/07
EC ROM Version : 2.11
CPU Name : Intel(R) Celeron(R) M Processor
CPU Speed : 1.00 GHz
System Time [17:49:04]
System Date [Mon 10/22/2008]
Use [ENTER], [TAB] or [SHIFT-TAB] to select a field
Use [+]or [+] to configure system time
Select Screen
Select Item
Change Field
TAB Select Field
F1 General Help
F10 Save and Exit
ESC Exit
v02.61 (C) Copyright 1985-2006, American Megatrend, Inc.

16.2. Serial ports Configuration

1. Press "→" key to switch to "**Advanced**" tab and press "↓" to highlight "**Super IO Configuration**", and then press the Enter key to switch to the **Configure Super IO Chipsets** screen.

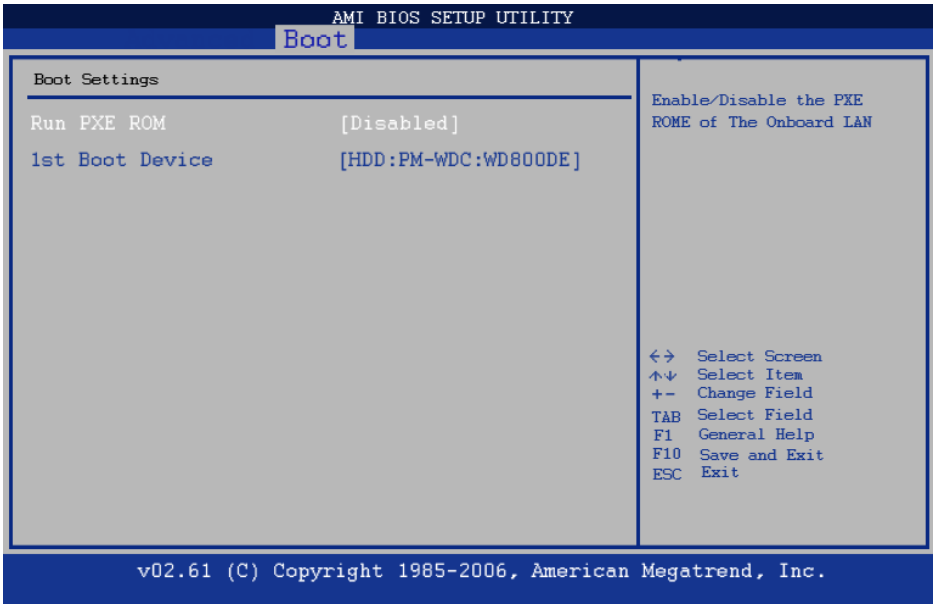


2. Pressing arrows keys to set every serial port power source, and then press **F10** to save your configuration and exit.



16.3. Boot Device Configuration

1. Press “→” key to switch to “**Boot**” tab and press “ ↓ ” to configure the boot device



16.4. Save Configuration Changes and Exit

Press **F10** key and highlight the [OK] on the message box by pressing a arrow key and press the **Enter** Key.